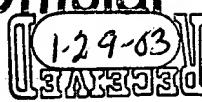


Official



PATENT APPLICATION
Do. No. 1420-2

#12/c
m
2-11-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent application of: David William House

Serial No. 09/478,136 Group No. 2643

Filed: January 5, 2000 Examiner: D. Harvey

Title: COCHLEAR IMPLANTS WITH A STIMULUS IN THE HUMAN
ULTRASONIC RANGE AND METHOD FOR STIMULATING A
COCHLEAAssistant Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO OFFICE ACTION

Responsive to the Office Action, dated October 29, 2002, please amend the application
as follows:

IN THE CLAIMS

Sub *C-1 D1*

1. (Thrice Amended) A method for stimulating a human cochlea in response to a sound, comprising:
generating an electrical sound signal in response to the sound;
generating an electrical analog carrier signal having a frequency greater than 20 kHz;
modulating the carrier signal with the sound signal to generate a modulated signal; and
applying the modulated signal to an electrode that is electrically coupled with the cochlea such that the modulated signal is applied to the cochlea.

AM

2. The method of claim 1, wherein modulating is by *amplitude* modulation.

FM

3. The method of claim 1, wherein modulating is by *frequency* modulation.

4. The method of claim 1, wherein the electrical analog carrier signal has a frequency of at least 32 kHz.

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TO: Examiner D. Harvey
Group Art Unit 2643
U.S. Patent and Trademark Office

FAX: (703) 872-9314

FROM: Beth Nichols for James E. Harris

DATE: January 29, 2003

RE: Attorney Do. No. 1420-2

Number of pages (including this one): 9 pages

In case of error in transmission, call: (503) 222-3613

REMARKS:

In re application of: David William House

Serial No. 09/478,136

Filed: January 5, 2000

For: COCHLEAR IMPLANTS WITH A STIMULUS IN THE
HUMAN ULTRASONIC RANGE AND METHOD FOR
STIMULATING A COCHLEA

Please see attached Response to Office Action for the above invention.

NOTICE

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PATENT APPLICATION
Do. No. 1420-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent application of: David William House

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Filed: January 5, 2000 Examiner: D. Harvey

Title: COCHLEAR IMPLANTS WITH A STIMULUS IN THE HUMAN
ULTRASONIC RANGE AND METHOD FOR STIMULATING A COCHLEABox NON-FEE Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231Responsive to the Office Action dated October 29, 2002, enclosed is an amendment in
the above-identified application.

The fee has been calculated as shown below.

CLAIMS AS AMENDED					
For:	Number After Amendment	Previous Number	Extra	Rate	Additional Fee
Total Claims		12	0	x \$ 9 =	\$ 0
Independent Claims		2	0	x \$ 40 =	\$ 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$ 0

Any deficiency or overpayment should be charged or credited to deposit account
number 13-1703.

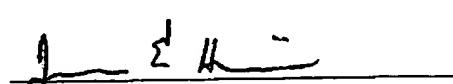


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PATENT TRADEMARK OFFICE

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.


 James E. Harris
 Reg. No. 40,013

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I hereby certify that this correspondence is being transmitted
to the U.S. Patent and Trademark Office via facsimile
number (703) 873-9314, on January 29, 2003.

 Signature 
 Beth A. Nichols